

ROAD SYSTEM

BRIDGES

BRIDGE PRESERVATION PROGRAM

PROJECT SCOPE/DESCRIPTION: Bridges identified for bridge painting; bridge scour; bridge deck preservation; and underwater bridge repairs are addressed through this program. The bridge management program identifies deficient bridges and funding for preliminary engineering, right-of-way and construction in the Bridge Projects section. They are then listed as separate projects in the Capital Transportation Program.

The sign inspection program will inventory and inspect all state-owned sign structures, high mast lighting, and traffic signal supports. During the initial inventory inspection of the structures, an inspection interval will be assigned based on the structure's condition. Funding to address deficiencies identified through the inspection plan is provided within Materials and Minor Contracts.

PROJECT JUSTIFICATION: The bridge inspection program creates the priority rating system, which is based on deficiency ratings and will be used for further rehabilitation and repair as they are identified.

County:	Statewide
Municipality:	
Funding Program:	Road System - Bridges
Functional Category:	Preservation
Representative District:	Statewide
Senatorial District:	Statewide

Example of a Timber Bridge*Bridge Over Silver Lake in Rehoboth*

BRIDGE PRESERVATION PROGRAM (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/04	Expended as of 12/31/04	Committed Unexpended as of 12/31/04	Authorization Available
Bridge Preservation Program		\$ 70,991.6						
Prior Years	State			\$ 8,431.0	\$ 3,788.3	\$ 0.0	\$ 3,788.3	\$ 4,642.7
	Federal			\$ 11,864.0	\$ 5,097.6	\$ 0.0	\$ 5,097.6	\$ 6,766.4
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005	State		\$ 70,991.6	\$ 1,800.8	\$ 0.0	\$ 0.0	\$ 0.0	\$ 6,443.5
	Federal			\$ 4,003.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 10,769.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2006 Request	State			\$ 1,996.4				\$ 8,439.9
	Federal			\$ 4,785.7				\$ 15,555.3
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 1,996.4				\$ 10,436.3
	Federal			\$ 4,785.7				\$ 20,341.0
	Other			\$ 0.0				\$ 0.0
FY 2008 Projected	State			\$ 1,996.4				\$ 12,432.7
	Federal			\$ 4,785.7				\$ 25,126.7
	Other			\$ 0.0				\$ 0.0
FY 2009-2011 Projected	State			\$ 6,829.2				\$ 19,261.9
	Federal			\$ 17,717.1				\$ 42,843.8
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 23,050.2	\$ 3,788.3			\$ 19,261.9
	Federal			\$ 47,941.4	\$ 5,097.6			\$ 42,843.8
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 70,991.6	\$ 70,991.6	\$ 70,991.6	\$ 8,886.0	\$ 0.0	\$ 8,886.0	\$ 62,105.6

BRIDGE PRESERVATION PROGRAM (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009 -2011
	Bridge Preservation Program									
24-075-01	Bridge Painting	PE, C	100% ST	\$ 416.2	\$ 416.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		PE, C	80% FHWA	22,000.0	8,000.0	2,000.0	2,000.0	2,000.0	2,000.0	6,000.0
	Sign Structure Program	PE, C	80% FHWA	6,916.0	1,812.0	604.0	0.0	0.0	0.0	4,500.0
	Inspection	PE, C	80% FHWA	3,000.0	0.0	0.0	1,000.0	1,000.0	1,000.0	0.0
	Repair and Replacement	PE, C	80% FHWA	1,500.0	0.0	0.0	500.0	500.0	500.0	0.0
	Bridge Scour	PE, C	100% ST	2,519.0	2,519.0	0.0	0.0	0.0	0.0	0.0
		PE, C	80% FHWA	3,000.0	900.0	300.0	300.0	300.0	300.0	900.0
	Bridge Inspection & Management	PE, C	80% FHWA	10,418.0	4,118.0	2,100.0	0.0	0.0	0.0	4,200.0
	Bridge Inspection	PE, C	80% FHWA	9,854.4	0.0	0.0	1,642.4	1,642.4	1,642.4	4,927.2
			100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Bridge Management	PE, C	80% FHWA	3,238.2	0.0	0.0	539.7	539.7	539.7	1,619.1
	Bridge Deck Preservation	PE, C	100% ST	7,069.8	2,169.8	700.0	700.0	700.0	700.0	2,100.0
	Underwater Bridge Repair	PE, C	100% ST	1,060.0	360.0	100.0	100.0	100.0	100.0	300.0
	Total All Funds			\$ 70,991.6	\$ 20,295.0	\$ 5,804.0	\$ 6,782.1	\$ 6,782.1	\$ 6,782.1	\$ 24,546.3

BRIDGE PROJECTS

PROJECT SCOPE/DESCRIPTION: Funding is requested for bridges that are identified for replacement or rehabilitation including structurally deficient bridges. As individual bridges are identified through the Bridge Management Program, they are funded from this group and then listed as separate pages in the appropriate county.

PROJECT JUSTIFICATION: The bridge priority rating system is based on deficiency and functional obsolescence ratings. These are updated biannually to determine specific bridges for rehabilitation, reconstruction or replacement.

County:	Statewide
Municipality:	
Funding Program:	Road System - Bridges
Functional Category:	Preservation
Representative District:	Statewide
Senatorial District:	Statewide

BRIDGE PROJECTS (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/04	Expended as of 12/31/04	Committed Unexpended as of 12/31/04	Authorization Available
Bridge Projects		\$ 126,243.1						
Prior Years	State			\$ 6,465.9	\$ 5,125.8	\$ 431.1	\$ 4,694.7	\$ 1,340.1
	Federal			\$ 4,934.2	\$ 2,723.1	\$ 0.0	\$ 2,723.1	\$ 2,211.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005	State		\$ 126,243.1	\$ 931.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 2,271.1
	Federal			\$ 2,323.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 4,535.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2006 Request	State			\$ 12,984.4				\$ 15,255.5
	Federal			\$ 3,937.6				\$ 8,472.6
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 4,986.7				\$ 20,242.2
	Federal			\$ 13,946.6				\$ 22,419.2
	Other			\$ 0.0				\$ 0.0
FY 2008 Projected	State			\$ 4,986.6				\$ 25,228.8
	Federal			\$ 13,946.6				\$ 36,365.8
	Other			\$ 0.0				\$ 0.0
FY 2009-2011 Projected	State			\$ 14,959.9				\$ 40,188.7
	Federal			\$ 41,839.7				\$ 78,205.5
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 45,314.5	\$ 5,125.8			\$ 40,188.7
	Federal			\$ 80,928.6	\$ 2,723.1			\$ 78,205.5
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 126,243.1	\$ 126,243.1	\$ 126,243.1	\$ 7,848.9	\$ 431.1	\$ 7,417.8	\$ 118,394.2

BRIDGE PROJECTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009 -2011
	Bridge Projects									
	Structurally Deficient Bridges	PE, RW, C	80% FHWA	\$ 89,337.7	\$ 4,491.8	\$ 257.8	\$ 4,922.0	\$ 15,933.3	\$ 15,933.2	\$ 47,799.6
		PE, RW, C	100% ST	7,232.3	2,732.3	0.0	4,500.0	0.0	0.0	0.0
		PE, RW, C	80% FHWA	9,907.1	0.0	2,407.1	0.0	1,500.0	1,500.0	4,500.0
	Design and Right of Way for Identified Annual Program	PE, RW, C	100% ST	9,000.0	0.0	0.0	1,500.0	1,500.0	1,500.0	4,500.0
		PE, RW, C	80% FHWA	1,916.0	1,676.0	240.0	0.0	0.0	0.0	0.0
24-074-04	CSX Bridges in Wilmington	PE, RW, C	100% ST	2,500.0	2,500.0	0.0	0.0	0.0	0.0	0.0
24-074-02										
24-074-03										
	Emergency Bridge Reconstruction from Major Storm Damage	PE, RW, C	100% ST	1,000.0	0.0	0.0	1,000.0	0.0	0.0	0.0
	Rising Sun Lane Railroad Bridge	PE, RW, C	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-071-01	SR 1, C&D Canal Bridge and Summit Bridge	PE, RW, C	100% ST	3,000.0	0.0	0.0	3,000.0	0.0	0.0	0.0
25-071-01	St. Ann's Railroad Bridge Improvements	PE	100% ST	350.0	0.0	350.0	0.0	0.0	0.0	0.0
		C	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Summit Bridge	PE, RW, C	100% ST	2,000.0	0.0	0.0	2,000.0	0.0	0.0	0.0
	Total All Funds			\$ 126,243.1	\$ 11,400.1	\$ 3,254.9	\$ 16,922.0	\$ 18,933.3	\$ 18,933.2	\$ 56,799.6